

JACKET			
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION	a. Page Missing	MESSAGE Attention: PCT Legal Affairs Office 308-6515
	b. Text Continuity	PCT/US98/20223 is shown on the oath.
	c. Holes through Data	Should this be listed under continuing data
	d. Other Missing Text	on the palm/bib sheet, and if so
	e. Illegible Text	given a relationship to this file.
	f. Duplicate Text	Please advise.
	g. Brief Description	
	h. Sequence Listing	There is no specific reference in the speci-
	i. Appendix	fication claiming benefit of 60/140088
	j. Amendments	or of PCT/US98/20223. Please provide if
k. Other	claim(s) valid.	
CLAIMS	a. Claim(s) Missing	
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	c. Duplicate Numbers	Thank you,
	d. Incorrect Numbering	initials W
	e. Index Disagrees	RESPONSE
	f. Punctuation	
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		initials

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Granular Detergent Compositions having Homogenous Particles and Process for Producing Same the specification of which

(check one) ☐ is attached hereto.
☒ was filed on September 24, 1999 as
 PCT International Application Serial No. PCT/US99/22395
 and was amended on _____
 (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations §1.56.

I hereby claim foreign priority benefits under Title 35 United States Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

Application Serial No.	Filing Date	Application Serial No.	Filing Date
60/140,088	June 21, 1999		

I hereby claim the benefit under Title 35 United States Code §120 of any United States application(s), or §365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35 United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (If applicable)
	PCT/US98/20223	September 25, 1998	

As named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Atty Name	Atty Reg Number	Associate Power of Attorney Attached
Brian M. Bolam	37,513	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
C. Brant Cook	39,151	
Marianne Dressman	42,498	
Steven W. Miller	31,984	
T. David Reed	32,931	
Timothy B. Guffey	41,048	

SEND CORRESPONDENCE TO:

Attorney or Agent's Name: <u>Marianne Dressman</u>	
<u>The Procter & Gamble Company</u> (513) 627-4132	
Company Name	Phone No.
<u>Cincinnati</u> <u>Ohio</u>	<u>45217</u>
Street	City State Zip Code



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BIBDATASHEET

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Bib Data Sheet

SERIAL NUMBER 09/787,452	FILING DATE 07/13/2001 RULE	CLASS 510	GROUP ART UNIT 1751	ATTORNEY DOCKET NO. 7628/DQ	
APPLICANTS Scott William Capece, North Bend, OH; Mark William Ridvard, Heaton, ENG; Paur R. Mort III, Cincinnati, OH; ** CONTINUING DATA ***** This application is a 371 of PCT/US99/22395 09/24/1999 which claims benefit of 60/140,088 06/21/1999 ** FOREIGN APPLICATIONS *****					
Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no 35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance Verified and Acknowledged Examiner's Signature _____ Initials _____		STATE OR COUNTRY OH	SHEETS DRAWING	TOTAL CLAIMS 18	INDEPENDENT CLAIMS 2
ADDRESS 27752 THE PROCTER & GAMBLE COMPANY INTELLECTUAL PROPERTY DIVISION WINTON HILL TECHNICAL CENTER - BOX 161 6110 CENTER HILL AVENUE CINCINNATI, OH 45224					
TITLE GRANULAR DETERGENT COMPOSITIONS HAVING HOMOGENOUS PARTICLES AND PROCESS FOR PRODUCING SAME					
FILING FEE RECEIVED 1140	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		

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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C11D 17/06, 11/00	A1	(11) International Publication Number: WO 00/18877 (43) International Publication Date: 6 April 2000 (06.04.00)						
(21) International Application Number: PCT/US99/22395 (22) International Filing Date: 24 September 1999 (24.09.99) (30) Priority Data: <table border="0"><tr><td>PCT/US98/20223</td><td>25 September 1998 (25.09.98)</td><td>US</td></tr><tr><td>60/140,088</td><td>21 June 1999 (21.06.99)</td><td>US</td></tr></table> (71) Applicant (for all designated States except US): THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): CAPECI, Scott, William [US/US]; 3285 Citation Lane, North Bend, OH 45052 (US). RIDYARD, Mark, William [GB/GB]; 42 Ravenswood Road, Heaton, Newcastle NE6 5TU (GB). MORT, Raul, R., III [GB/GB]; 510 Compton Road, Cincinnati, OH 45215 (US). (74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).		PCT/US98/20223	25 September 1998 (25.09.98)	US	60/140,088	21 June 1999 (21.06.99)	US	(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR (Utility model), KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
PCT/US98/20223	25 September 1998 (25.09.98)	US						
60/140,088	21 June 1999 (21.06.99)	US						
(54) Title: GRANULAR DETERGENT COMPOSITIONS HAVING HOMOGENOUS PARTICLES AND PROCESS FOR PRODUCING SAME (57) Abstract A detergent composition which has improved solubility or dissolution in laundering solutions, especially in solutions kept at cold temperatures (i.e., less than about 30 °C), is provided. The granular detergent composition is aesthetically pleasing to consumers and has improved flowability. The granular detergent composition has a homogeneity number of greater than 1 wherein the homogeneity number is defined by the equation $HN = X_{bulk}/X_{part}$. A process for producing the detergent is also provided.								